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May 26, 2003

DERWENT-ACC-NO: 2003-532651

DERWENT-WEEK: 200464

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TITLE: Stabilizing apparatus for borehole, includes flexible expandable sleeve formed from permeable material, and secured on outside of delivery pipe around an opening

INVENTOR: BEDEL, J ; DACCORD, G ; THIERCELIN, M ; VIDICK, B

PATENT-ASSIGNEE:

ASSIGNEE	CODE
SERVICES PETROLIERS SCHLUMBERGER	SLMB
SCHLUMBERGER CANADA LTD	SLMB
SCHLUMBERGER HOLDINGS LTD	SLMB
SCHLUMBERGER TECHNOLOGY BV	SLMB
SERVICES PETROL SCHLUMBERGER	SLMB
SOFITECH NV	SOFIN

PRIORITY-DATA: 2001FR-0014959 (November 15, 2001)

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> AU 2002352000 A1	May 26, 2003		000	E21B021/00
<input type="checkbox"/> WO 2003042494 A1	May 22, 2003	E	020	E21B021/00

DESIGNATED-STATES: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
AU2002352000A1	November 13, 2002	2002AU-0352000	
AU2002352000A1		WO2003042494	Based on
WO2003042494A1	November 13, 2002	2002WO-EP12719	

INT-CL (IPC): E21B 21/00; E21B 43/02; E21B 43/10

RELATED-ACC-NO: 2003-441798

ABSTRACTED-PUB-NO: WO2003042494A

BASIC-ABSTRACT:

NOVELTY - A stabilizing apparatus comprises a delivery pipe (16) having an opening (22) for delivering a treatment fluid to a zone of borehole, and a flexible expandable sleeve (30) secured on the outside of the pipe around an opening such that fluid flowing from the pipe through the opening flows into the sleeve. The sleeve is formed from a permeable material

USE - The apparatus is used for stabilizing a borehole (e.g., oil, gas, water and geothermal wells) by flowing treatment fluid through pipe opening into the sleeve. It can also be used to install a gravel pack, or provide external casing packers in the borehole (all claimed).

ADVANTAGE - The apparatus allows drilling of borehole without loss of circulation. It avoids damage to the sleeve when the apparatus is lowered into the well. It also allows control of the axial extent of the application of the treatment fluid and control of the permeability of the treatment.

DESCRIPTION OF DRAWING(S) - The figure shows a stabilizing apparatus in use.

Borehole 10

Delivery pipe 16

Treatment fluid 18

Opening 22

Sleeve 30

CHOSEN-DRAWING: Dwg.2/4

TITLE-TERMS: STABILISED APPARATUS BOREHOLE FLEXIBLE EXPAND SLEEVE FORMING PERMEABLE MATERIAL SECURE DELIVER PIPE OPEN

DERWENT-CLASS: A88 H01 Q49

CPI-CODES: A12-W10A; H01-C07;

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1] 018 ; P0759 P0737 P0635 H0293 F70 D01 D19 D18 D32 D50 D93 E21 E00 ; S9999 S1661 Polymer Index [1.2] 018 ; ND01 ; K9416 ; B9999 B4035 B3930 B3838 B3747 ; Q9999 Q8731 Q8719 ; Q9999 Q8117 Q8093 ; Q9999 Q8093*R

SECONDARY-ACC-NO:

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